Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2022 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124947	-1	1.50	124881	1.41
Blue	F	SSC	125000	123494	-2	2.82	124007	2.66
Blue	E	FITC	13602	13254	-3	2.28	369	13.07
Blue	D	PE	24891	24779	-1	1.74	587	10.36
Blue	B	PerCP-Cy5-5	33972	33378	-2	3.61	942	14.69
Blue	A	PE-Cy7	22865	22531	-2	9.35	468	31.80
Red	C	APC	47198	46407	-2	3.49	1589	11.86
Red	A	APC-Cy7	26454	25194	-5	11.49	693	17.52
Violet	B	V450	6737	6478	-4	3.45	439	11.65
Violet	A	V500	29317	28214	-4	2.94	957	8.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23992	2.45	558	23	N/A	N/A	Pass
Blue	F	SSC	55532	2.07	515	-6	N/A	N/A	Pass
Blue	E	FITC	56	51.89	484	0	0.0468	77	Pass
Blue	D	PE	114	36.61	487	1	0.3710	218	Pass
Blue	B	PerCP-Cy5-5	149	40.56	580	1	0.0213	80	Pass
Blue	A	PE-Cy7	79	79.43	626	5	0.0218	0	Pass
Red	C	APC	332	26.47	574	2	0.0275	189	Pass
Red	A	APC-Cy7	129	39.45	556	5	0.0052	1118	Pass
Violet	B	V450	73	50.83	448	-2	0.0607	2728	Pass
Violet	A	V500	111	32.17	467	-2	0.0258	977	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.50	-32.29	1.05
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.41
Red	17.26	13.90 - 20.86	N/A	N/A	30.68	30.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9703

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments